THE MURPHY CHEMICAL COMPANY LIMITED,
WHEATHAMPSTEAD,
HERTS.

ADVISORY BULLETIN No. 6

The Control of Scab

on

Apples and Pears

after Blossoming.

KEEP THESE BULLETINS IN THE GRATIS FILING COVER WE SUPPLY.

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For efficient Scab Control the application of fungicides after blossoming is as important as their application before blossoming.

Assuming that suitable pre-blossom spraying has been carried out, efficient control of Scab can be assured by spraying or dusting after petal fall, as indicated below.

ON APPLES.

FOR ALL VARIETIES, EXCEPT THOSE WHICH ARE "SULPHUR-SHY" (*see below*), we advise Lime Sulphur in conjunction with a suitable wetting and spreading agent. Lead Arsenate, at the rate of 2 lbs. powder or 4 lbs. paste per 100 gallons wash, can be added, if desired, for the control of Winter Moth, Tortrix, or Codling Moth Caterpillars.

Use Lime Sulphur at 1 in 60 on ALLINGTON, ANNIE ELIZABETH, BISMARCK, BRAMLEY, DUCHESS FAVOURITE, EMNETH EARLY (EARLY VICTORIA), GLADSTONE, KING EDWARD, LADY SUDELEY, LORD DERBY, WORCESTER, etc.

Use Lime Sulphur at 1 in 100 on BATH, BLENHEIM, COX, GRIEVE, LANE, LORD GROSVENOR, RIVAL, ROSS, WELLINGTON, etc.

Make a first application at petal fall or within a week of that date and follow by a second application three weeks later.

If Apple Sawfly is present *(see Bulletin No. 3)* and it is desired to use a combined insecticide-fungicide wash of Nicotine, Lead Arsenate, Lime Sulphur and a Wetter, Spreader and Penetrant, reduce the concentration of the Lime Sulphur from 1 in 60 to 1 in 80 or from 1 in 100 to 1 in 120, and thoroughly "soak" the trees. Apply this combined wash when 80% of the petals have fallen or within a week of that date. Three weeks later apply Lime Sulphur, with a Wetter and Spreader only, at the normal strength.

If, owing to lack of water or a desire to cover the acreage in a minimum of time, DUSTING is preferred to wet spraying, it is usual to give two dustings in place of one wet spraying. The first application should be made immediately after petal fall and then two or three more dustings at intervals of ten days. Except on "sulphur-shy" varieties (*see below*) the dust employed should be a high-grade Sulphur Dust, applied, on bush trees, at the rate of 20—30 lbs. per acre, per application.

FOR "SULPHUR-SHY" VARIETIES, such as STIRLING CASTLE or NEWTON WONDER, we advise Bordeaux Paste in place of Lime Sulphur.

If Sawfly is present, the concentration of the Bordeaux Paste should be reduced to three-quarters of its usual strength and the trees thoroughly "soaked" (*see Bulletin No. 3*).

Should a DUST be preferred, we advocate the use of Copper Lime Dust instead of Sulphur Dust, applied at the same times and at the same rate per acre. Bordeaux or Copper Lime Dust can also be used on other varieties, except BATH, COX, DUCHESS FAVOURITE, GLADSTONE, GRIEVE, LADY SUDELEY and LORD DERBY.

ON PEARS.

For all varieties we advise the use of either Lime Sulphur at 1 in 100 or Bordeaux Paste, in conjunction with a Wetter and Spreader. The first application should be made at petal fall and the second three weeks later.

FORMULAE.

The formulæ referred to above are as follows :—

LIME SULPHUR.

Lime Sulphur 1 or $1\frac{2}{3}$ galls.*		Lime Sulphur 3 or $5\frac{1}{3}$ pints.*
Alvesco Soluble Spreader 2 lbs.	or	Alvesco Soluble Spreader 13 ozs.
Water up to 100 galls.		Water up to 40 galls.

**These figures correspond to rates of 1 in 100 or 1 in 60.*

BORDEAUX.

Bordeaux Paste 20 lbs.		Bordeaux Paste 8 lbs.
Alvesco Soluble Spreader 2 lbs.	or	Alvesco Soluble Spreader 13 ozs.
Water up to 100 galls.		Water up 40 galls.

If Sawfly is present, see Advisory Bulletin No. 3, Method II. Use SPREADITE at the rate of $\frac{3}{4}$ lb. per 100 gallons or 5 ozs. per 40 gallons, as the Wetter and Penetrant, and reduce concentration of Lime Sulphur as indicated on previous page. *May, 1934.*

We *supply* :—

Alvesco Lime Sulphur.
Lead Arsenate, Powder and Paste.
British Nicotine (95/98%).
Sulfadu Dusting Sulphur.
Bordeaux Paste.
Copper Lime Dust.
Alvesco Soluble Spreader.
Spreadite (Wetter and Penetrant).